

OIPE

RAW SEQUENCE LISTING

DATE: 08/29/2001

PATENT APPLICATION: US/09/872,712A

TIME: 13:49:38

Input Set : A:\102131.txt

Output Set: N:\CRF3\08292001\I872712A.raw

4 <110> APPLICANT: Backer, Marina V.
 5 Backer, Joseph M.
 7 <120> TITLE OF INVENTION: MOLECULAR DELIVERY VEHICLE FOR DELIVERY
 8 OF SELECTED COMPOUNDS TO TARGETS
 11 <130> FILE REFERENCE: 102131-200
 13 <140> CURRENT APPLICATION NUMBER: US 09/872,712A
 14 <141> CURRENT FILING DATE: 2001-06-01
 16 <150> PRIOR APPLICATION NUMBER: US 60/209,660
 17 <151> PRIOR FILING DATE: 2000-06-05
 19 <160> NUMBER OF SEQ ID NOS: 30
 21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 15
 25 <212> TYPE: PRT
 26 <213> ORGANISM: Human
 28 <400> SEQUENCE: 1
 29 Lys Glu Thr Ala Ala Lys Phe Glu Arg Gln His Met Asp Ser
 30 1 5 10 15
 33 <210> SEQ ID NO: 2
 34 <211> LENGTH: 15
 35 <212> TYPE: PRT
 36 <213> ORGANISM: Human
 38 <400> SEQUENCE: 2
 39 Lys Glu Ser Arg Ala Lys Lys Phe Gln Arg Gln His Met Asp Ser
 40 1 5 10 15
 43 <210> SEQ ID NO: 3
 44 <211> LENGTH: 26
 45 <212> TYPE: DNA
 46 <213> ORGANISM: Artificial Sequence
 48 <220> FEATURE:
 49 <223> OTHER INFORMATION: Synthetic nucleotide probe.
 51 <400> SEQUENCE: 3
 52 taaggcctat ggcagaagga ggaggg 26
 54 <210> SEQ ID NO: 4
 55 <211> LENGTH: 27
 56 <212> TYPE: DNA
 57 <213> ORGANISM: Artificial Sequence
 59 <220> FEATURE:
 60 <223> OTHER INFORMATION: Synthetic nucleotide probe.
 62 <400> SEQUENCE: 4
 63 actcgagtca ccgcctcggc ttgtcac 27
 65 <210> SEQ ID NO: 5
 66 <211> LENGTH: 27
 67 <212> TYPE: DNA
 68 <213> ORGANISM: Bovine
 70 <400> SEQUENCE: 5
 71 atgagcagct ccaactactg taaccag 27

ENTERED

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73 <210> SEQ ID NO: 6
74 <211> LENGTH: 24
75 <212> TYPE: DNA
76 <213> ORGANISM: Bovine
78 <400> SEQUENCE: 6
79 atgacttccg ctgccagcag ctcc                24
81 <210> SEQ ID NO: 7
82 <211> LENGTH: 24
83 <212> TYPE: DNA
84 <213> ORGANISM: Bovine
86 <400> SEQUENCE: 7
87 atgtccgctg ccagcagctc caac                24
89 <210> SEQ ID NO: 8
90 <211> LENGTH: 26
91 <212> TYPE: DNA
92 <213> ORGANISM: Bovine
94 <400> SEQUENCE: 8
95 atggctgcca gcagctccaa ctactg            26
97 <210> SEQ ID NO: 9
98 <211> LENGTH: 28
99 <212> TYPE: DNA
100 <213> ORGANISM: Bovine
102 <400> SEQUENCE: 9
103 atggccagca gctccaacta ctgtaacc          28
105 <210> SEQ ID NO: 10
106 <211> LENGTH: 27
107 <212> TYPE: DNA
108 <213> ORGANISM: Bovine
110 <400> SEQUENCE: 10
111 atgagcagct ccaactactg taaccag          27
113 <210> SEQ ID NO: 11
114 <211> LENGTH: 28
115 <212> TYPE: DNA
116 <213> ORGANISM: Bovine
118 <400> SEQUENCE: 11
119 ctacactgaa gcatcaaagt ggactggc          28
121 <210> SEQ ID NO: 12
122 <211> LENGTH: 28
123 <212> TYPE: DNA
124 <213> ORGANISM: Bovine
126 <400> SEQUENCE: 12
127 ctacactgaa caatcaaagt ggactggc          28
129 <210> SEQ ID NO: 13
130 <211> LENGTH: 34
131 <212> TYPE: DNA
132 <213> ORGANISM: Bovine
134 <400> SEQUENCE: 13
135 ctacactgag caagcatcaa agtggactgg cacg    34
137 <210> SEQ ID NO: 14

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138 <211> LENGTH: 26
139 <212> TYPE: DNA
140 <213> ORGANISM: Human
142 <400> SEQUENCE: 14
143 atggactcga gcccgctcttc ttcttc          26
145 <210> SEQ ID NO: 15
146 <211> LENGTH: 26
147 <212> TYPE: DNA
148 <213> ORGANISM: Human
150 <400> SEQUENCE: 15
151 atggctgccg gcagctccaa ctactg          26
153 <210> SEQ ID NO: 16
154 <211> LENGTH: 27
155 <212> TYPE: DNA
156 <213> ORGANISM: Human
158 <400> SEQUENCE: 16
159 atgtcttctt ctacgtactg caaccag        27
161 <210> SEQ ID NO: 17
162 <211> LENGTH: 25
163 <212> TYPE: DNA
164 <213> ORGANISM: Human
166 <400> SEQUENCE: 17
167 tcaagagtct tcaacagacg cgtcg          25
169 <210> SEQ ID NO: 18
170 <211> LENGTH: 25
171 <212> TYPE: DNA
172 <213> ORGANISM: Human
174 <400> SEQUENCE: 18
175 tcaagagtct tcacaagacg cgtcg          25
177 <210> SEQ ID NO: 19
178 <211> LENGTH: 33
179 <212> TYPE: DNA
180 <213> ORGANISM: Human
182 <400> SEQUENCE: 19
183 tcaagagtct cattcaacag acgcgtcgaa atg  33
185 <210> SEQ ID NO: 20
186 <211> LENGTH: 36
187 <212> TYPE: DNA
188 <213> ORGANISM: Human
190 <400> SEQUENCE: 20
191 atgagcgctg cctcttcttc tacgtactgc aaccag 36
193 <210> SEQ ID NO: 21
194 <211> LENGTH: 39
195 <212> TYPE: DNA
196 <213> ORGANISM: Human
198 <400> SEQUENCE: 21
199 atgtccgctg ccagcagctc tacgtactgc aaccagatg 39
201 <210> SEQ ID NO: 22
202 <211> LENGTH: 47

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203 <212> TYPE: DNA
204 <213> ORGANISM: Human
206 <400> SEQUENCE: 22
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209 <210> SEQ ID NO: 23
210 <211> LENGTH: 30
211 <212> TYPE: DNA
212 <213> ORGANISM: Human
214 <400> SEQUENCE: 23
215 tcattcaaca gacgcgtcga aatgaaccgg 30
217 <210> SEQ ID NO: 24
218 <211> LENGTH: 30
219 <212> TYPE: DNA
220 <213> ORGANISM: Human
222 <400> SEQUENCE: 24
223 ctattcaaca cagcgcgtcga aatgaaccgg 30
225 <210> SEQ ID NO: 25
226 <211> LENGTH: 33
227 <212> TYPE: DNA
228 <213> ORGANISM: Bovine
230 <400> SEQUENCE: 25
231 aacatgcata tgagcacttc cgctgccagc agc 33
233 <210> SEQ ID NO: 26
234 <211> LENGTH: 34
235 <212> TYPE: DNA
236 <213> ORGANISM: Bovine
238 <400> SEQUENCE: 26
239 tacggtaccc actgaagcat caaagtggac tggc 34
241 <210> SEQ ID NO: 27
242 <211> LENGTH: 53
243 <212> TYPE: DNA
244 <213> ORGANISM: Human
246 <220> FEATURE:
247 <221> NAME/KEY: CDS
248 <222> LOCATION: (1)...(53)
250 <400> SEQUENCE: 27
251 atg aaa gaa tct aga cgt aaa aaa ttt caa cgt caa cac atg gac tct 48
252 Met Lys Glu Ser Arg Arg Lys Lys Phe Gln Arg Gln His Met Asp Ser
253 1 5 10 15
255 ggt ac 53
256 Gly
260 <210> SEQ ID NO: 28
261 <211> LENGTH: 17
262 <212> TYPE: PRT
263 <213> ORGANISM: Human
265 <400> SEQUENCE: 28
266 Met Lys Glu Ser Arg Arg Lys Lys Phe Gln Arg Gln His Met Asp Ser
267 1 5 10 15
268 Gly

```

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273 <211> LENGTH: 48

274 <212> TYPE: DNA

275 <213> ORGANISM: Human

277 <400> SEQUENCE: 29

278 cagagtcocat gtgttgacgt tgaaatTTTT tacgtctaga ttctttca 48

280 <210> SEQ ID NO: 30

281 <211> LENGTH: 7

282 <212> TYPE: PRT

283 <213> ORGANISM: Bovine

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285 <400> SEQUENCE: 30
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286 Gly Thr Asp Asp Asp Asp Lys

| | | | | | |
|-----|---|--|--|--|---|
| 287 | 1 | | | | 5 |
|-----|---|--|--|--|---|



VERIFICATION SUMMARY

DATE: 08/29/2001

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